

**REMARKS**

Claims 1–16 and 18–38 are now pending in the application. Claims 1, 8, 10 have been amended. Claim 17 has been canceled. Applicants respectfully traverse and request reconsideration.

**Rejection Under 35 U.S.C. § 103**

Claims 1–38 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 7,184,604 to Mizuno et al. (“Mizuno”).

With regard to claim 8, Mizuno fails to show, teach, or suggest, *inter alia*, a real time direct memory access device coupled to the first memory device and the second memory device and the graphics processor such that the real time direct memory access device provides for direct access to the first memory device and the second memory device.

As best understood by Applicants, the Examiner cites Fig. 37, No. 204a as disclosing the first memory device; Fig. 37, No. 204b as disclosing the second memory device; and Fig. 37, No. 202 as disclosing the graphics processor. In addition, the Examiner cites Fig. 37, Nos. 204a and 204b as disclosing a real time direct memory access device coupled to the first memory device and the second memory device and the graphics processor such that the real time direct memory access device provides for direct access to the first memory device and the second memory device. However, the cited portions merely disclose a first and second memory device (i.e., 204a and 204b). Applicants can find no mention of a real time direct memory access device in the cited portions of Mizuno nor can Applicants find any mention of the term “real time” in Mizuno. Therefore, reconsideration and withdrawal of the rejection of claim 8 is respectfully requested.

Claim 19 is allowable for at least similar reasons as claim 8. Claim 19 is also believed to be allowable for having novel and non-obvious subject matter. Therefore, reconsideration and withdrawal of the rejection of claim 19 is respectfully requested.

Claims 9 and 20–30 each ultimately depend on claims 8 and 19, respectively, and are allowable for at least similar reasons. Claims 9 and 20–30 are also believed to be allowable for having novel and non-obvious subject matter. Therefore, reconsideration and withdrawal of the rejection of claims 9 and 20–30 is respectfully requested.

With regard to claim 1, Mizuno fails to show, teach, or suggest, inter alia, a first memory device that receives a video input signal from a camera, the video input signal containing an encoded video frame comprising a plurality of portions of encoded video frame data.

As best understood by Applicants, Mizuno discloses a reverse wavelet processing apparatus for recursively executing a line-based reverse wavelet transform. The apparatus temporarily stores excess data used to perform a reverse wavelet transform on wavelet transformed data. As such, the line memory (204a) receives a portion of encoded frame data sets used during the reverse wavelet transformation process from a line based reverse wavelet transform block (202). As previously noted, the Examiner cites Fig. 37, No. 204a as disclosing the first memory device; Fig. 37, No. 204b as disclosing the second memory device; and Fig. 37, No. 202 as disclosing the graphics processor. However, by this interpretation, the first memory device (204a) receives the portion of encoded frame data sets from the graphics processor (202) and not from a camera as claimed. Therefore, reconsideration and withdrawal of the rejection of claim 1 is respectfully requested.

Claims 10 and 31 are allowable for at least similar reasons. Claims 10 and 31 are also believed to be allowable for having novel and non-obvious subject matter. Therefore, reconsideration and withdrawal of the rejection of claims 10 and 31 is respectfully requested.

Claims 2–9, 11–16, 18, and 32–38 each ultimately depend on one of claims 1, 10, and 31 and are allowable for at least similar reasons. Claims 11–16, 18, and 32–38 are also believed to

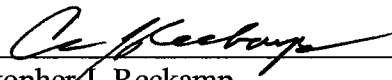
be allowable for having novel and non-obvious subject matter. Therefore, reconsideration and withdrawal of the rejection of claims 11–16, 18, and 32–38 is respectfully requested.

**CONCLUSION**

It is believed that all of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider and withdraw all presently outstanding rejections. It is believed that a full and complete response has been made to the outstanding Office Action and the present application is in condition for allowance. Thus, prompt and favorable consideration of this amendment is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (312) 609-7599.

Respectfully submitted,

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